Human Kynureninase Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 589731

Catalog Number: FAB4887U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Kynureninase in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant mouse Kynureninase is observed.
Source	Monoclonal Mouse IgG_1 Clone # 589731
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human Kynureninase Met1-Asn465 Accession # Q16719
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Kynureninase (KYNU) catalyzes the hydrolytic cleavage of the amino acids L-kynurenine and L-3-hydroxykynurenine to give either anthranilic acid or 3-hydroxyanthranilic acid and alanine. KYNU and other “kynurenine pathway” enzymes degrade dietary tryptophan in the liver and are involved in the de novo biosynthesis of NAD^+. KYNU and other pathway proteins in immune system cells, such as macrophages and microglia, catalyze inflammatory quinolinic acid (QA) production, which may cause neuronal damage in AIDS-related dementia complex, Alzheimer’s, stroke, epilepsy, and Huntington’s disease. Human KYNU shares 83% and 85% amino acid identity with mouse and human KYNU, respectively.

PRODUCT SPECIFIC NOTICES

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